```
L62 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:73565 CAPLUS
DN 128:122672
       Semiconductor IC device and fabrication thereof
TI
      Nagashima, Naoki
TN
       Sony Corp., Japan
Jpn. Kokai Tokkyo Koho, 6 pp.
PA
SO
        CODEN: JKXXAF
DT
       Patent
LA
       Japanese
        ICM H01L021-8238
ICS H01L027-092; H01L029-78; H01L021-336
76-3 (Electric Phenomena)
IC
cc
FAN.CNT 1
        PATENT NO.
                                                                    APPLICATION NO. DATE
                     7854 A2 19980127
19960770
                                 KIND DATE
PI JP 10027854
PRAI JP 1996-180919
                                                                    JP 1996-180919 19960710 <--
      I JP 1996-180919 19960710
The invention relates to a semiconductor IC device, esp. a CMOSFET IC, wherein the use of Ge gate contact enables a unipolar-gate-structure surface-channeled NMOS and PMOS arrangement.
RL: DEV (Device component use); USES (Uses)
(Ge gate contact in CMOSFET IC app.)
7440-56-4 CAPLUS
Germanium (7CI, SCI, 9CI) (CA INDEX NAME)
AB
DM
CN
Ge
RN 7631-86-9 CAPLUS
CN Silica (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
```

o== si== o

RN 12033-89-5 CAPLUS CN Silicon nitride (Si3N4) (8CI, 9CI) (CA INDEX NAME)

22aug03 08:51:15 User259284 Session D2352.3

File 2:INSPEC 1969-2003/Aug W2 (c) 2003 Institution of Electrical Engineers
'File 2: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.

Set S1 S2 S3 S4 S5 S6 S7	Items 135 31 35 189 4 10	Description CI=(B DOP(s)GE EL)(S)NE=2 CI=(IN DOP(s)GE EL)(S)NE=2 CI=(AL DOP(s)GE EL)(S)NE=2 S1:S3 S4 AND GATE?? S4 AND INSULAT???????
---	--	---

```
File 342:Derwent Patents Citation Indx 1978-01/200328
(c) 2003 Thomson Derwent
*File 342: Undates 200160-200209 replaced. See HELP NEWS 342
Alert feature enhanced for multiple files, etc. See HELP ALERT
      Set Items Description
     S1 1 PN=EP 1111686
? map ct
1 Select Statement(s), 10 Search Term(s)
Serial#SD484
1 SearchSaves, 10 Search Term(s)
? ex
              4 Serial: SD484
3 Select Statement(s), 21 Search Term(s)
Serial#SD485
1 SearchSaves, 21 Search Term(s)
    S3
             1 S1
? map ct/pn=
1 Select Statement(s), 10 Search Term(s)
Serial#SD486
1 SearchSaves, 10 Search Term(s)
? s s2
S4
? map cg
1 Select Statement(s), 3 Search Term(s)
Serial#SD487
1 SearchSaves, 3 Search Term(s)
? map cg/ct=
1 Select Statement(s), 3 Search Term(s)
Serial#SD488
1 SearchSaves, 3 Search Term(s)
? exlex sd487
>>>Invalid syntax at or near SD487
? ex;ex sd487
              4 Serial: SD488
22 Serial: SD487
     S5
      96
? s s5:s6
     87
             26 S5:S6
? map pn
8 Select Statement(s), 91 Search Term(s)
Serial#SD489
1 SearchSaves. 91 Search Term(s)
? b 350 347 344;ex sd485;ex sd486
        22auq03 08:49:22 User259284 Session D2352.2
SYSTEM: OS - DIALOG OneSearch
  File 350:Derwent WPIX 1963-2003/UD, UM &UP=200354
  (c) 2003 Thomson Derwent
File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)
(c) 2003 JPO & JAPIO
*File 347: JAPIO data problems with year 2000 records are now fixed.
Alerts have been run. See HELP NEWS 347 for details.
File 344: Chinese Patents Abs Aug 1985-2003/Mar
(c) 2003 European Patent Office
         Items Description

10 S1:S2

19 PN-JP 10027854 + PN-JP 11003999 + PN-JP 11017182 + PN-JP 1-
Set
SI
S2
               1087708 + PN=JP 11162916 + PN=JP 63198373 + PN=JP 7202178 + P-
```

N=JP 7288323 + PN=JP 73022022 + PN=WO 9414198

\$3 47 \$3:89 \$4 74 \$1:83 \$5 4 \$3 AND (GE OR GERMANIUM) \$6 19 \$4 AND (GE OR GERMANIUM)

```
FILE 'CAPLUS' ENTERED AT 08:48:34 ON 22 AUG 2003
          18599 SEA ABB=ON PLU=ON "MISFET (TRANSISTORS)"/CT OR "MOSFET
(TRANSISTORS)"/CT OR MISFET OR MOSFET OR PMOS##### OR METAL-INS
1.1
                III ATOR - SPMI CONDUCTOR
          18599 SEA ABB=ON PLU=ON L1 OR "MOSFET (TRANSISTORS)"/CT
                S 1.2 AND GERMANTIM/CN
     FILE 'REGISTRY' ENTERED AT 08:52:33 ON 22 AUG 2003
              1 SEA ARRHON PLU=ON GERMANIUM/CN
L3
     FILE 'CAPLUS' ENTERED AT 08:52:34 ON 22 AUG 2003
          63153 SEA ABB=ON PLU=ON L3
1.4
            308 SEA ABBEON PLUEON L2 AND L4
1.5
             117 SEA ARREON PLUSON L5 AND INSULAT#######
L6
            680 SEA ABB=ON PLU=ON (GE OR GERMANIUM) (4A) INSULAT######
             41 SEA ABB=ON PLU=ON L6 AND L7
T.8
     FILE 'REGISTRY' ENTERED AT 08:54:40 ON 22 AUG 2003
              3 SEA ABB=ON PLU=ON (BORON OR INDIUM OR ALUMINUM)/CN
1.0
     FILE 'CAPLUS' ENTERED AT 08:54:40 ON 22 AUG 2003
         413954 SEA ABB=ON PLU=ON L9
1.10
         160404 SEA ABB=ON PLU=ON L10 (L)USES/RL
1.11
              3 SEA ABB=ON PLU=ON L8 AND L11
                D ALL TOT
           7943 SEA ABB=ON PLU=ON (GE OR GERMANIUM) (2A) FILM
1.13
              8 SEA ABB=ON PLU=ON L8 AND L13
T.14
                D ALL TOT
                 E MOA/RL
          26403 SEA ABB=ON PLU=ON L11 AND "MODIFIER OR ADDITIVE USE"/RL
1.15
                 E E5+ALL/CT
           1042 SEA ABB=ON PLU=ON L4 AND L15
1.16
               6 SEA ABB=ON PLU=ON L16 AND L6
               6 SEA ABB=ON PLU=ON
1.18
                                      1.16 AND L7
             4B SEA ABB=ON
                             PLU=ON
                                      L16 AND L13
1.19
               4 SEA ABB=ON PLU=ON
                                      L19 AND INSULAT######
L20
              5 SEA ABBEON PLUEON L19 AND (GE OR GERMANIUM) (6A) (SIO OR OXIDE
L21
                 OR DIOXIDE OR SIG2)
              3 SEA ABB=ON PLU=ON L19 AND GATE
1.22
              11 SEA ABB=ON PLU=ON L12 OR L14
L23
             21 SEA ABB=ON PLU=ON ((L17 OR L18) OR (L20 OR L21 OR L22)) NOT
L24
                 1.23
     FILE 'WPIX' ENTERED AT 09:05:21 ON 22 AUG 2003
             1 SEA ABB=ON PLU=ON EP1111686/PN
SEL PLU=ON L25 1- IC MC :
1.25
L26
           54659 SEA ABB=ON PLU=ON L26
L27
            1515 SEA ABB=ON PLU=ON (GE OR GERMANIUM) (1W) (ELECTRODE OR FILM OR
L28
                 LAYER OR CONDUCT##### OR GATE)
             225 SEA ABB=ON PLU=ON L27 AND L28
65 SEA ABB=ON PLU=ON L29 AND (GE OR GERMANIUM) (6A) (SIO OR OXIDE
1.29
                 OR DIOXIDE OR SIG2 OR INSULAT#######
               6 SEA ABB=ON PLU=ON L30 AND ("P" OR PTYPE OR BORON OR INDIUM
1.31
                 OR ALUMINUM OR ALUMINIUM) (2A) (IMPUR###### OR ION OR CATION OR
                 CARRIER OR IMPLANT###### OR ATOM OR DOPE### OR DOPING OR
                 DODANT)
                 D MAX 1-6
               0 SEA ABB=ON PLU=ON L30 AND ("P" OR PTYPE OR BORON OR INDIUM
                 OR ALUMINUM OR ALUMINIUM) (2A) (CONCENTRAT##### OR CONC OR CONCD
                 OR CONCN OR DENSITY)
              15 SEA ABB=ON PLU=ON L29 AND (DOPE### OR DOPING OR DOPANT OR
L33
                 IMPURITY OR ION## OR CATION### OR IMPLANT### OR ATOM###) (2A) (CONCENTRAT##### OR CONC OR CONCD OR CONCD OR DENSITY)
              13 SEA ABB=ON PLU=ON L33 NOT L31
1.34
                 D MAX 1-13
L35
              32 SEA ABB=ON PLU=ON L30 AND PRY>1999
               5 SEA ABB=ON PLU=ON L30 AND PRY=1999
1.36
               5 SEA ABB=ON PLU=ON L30 AND PRY=1998
L37
                                      L35 AND (L36 OR L37)
               1 SEA ABB=ON
                              PLUEON
1.38
                                      L35 NOT L38
              31 SEA ABB=ON PLU=ON
1.39
1.40
              34 SEA ABB=ON
                              PLU=ON
                                      L30 NOT L39
              19 SEA ABB=ON
                              PLU=ON L31 OR L33
L41
              29 SEA ABB=ON
                              PLU=ON L40 NOT L41
L42
                 D MAX 1-29
            2928 SEA ABB=ON PLU=ON SHIMADA?/IN
L43
```

1024 SEA ABB=ON PLU=ON TAKIZAWA?/IN 78960 SEA ABB=ON PLU=ON SEIKO?/PA

L44 L45

```
6 SEA ABB=ON PLU=ON L43 AND L44
110 SEA ABB=ON PLU=ON L43 AND L45
70 SEA ABB=ON PLU=ON L44 AND L45
54659 SEA ABB=ON PLU=ON L26
5 SEA ABB=ON PLU=ON L47 OR L48) AND L49
L46
L47
L48
L49
L50
                      5 SEA ABB=ON PLU=ON (L47 OR L48) AND L49
10 SEA ABB=ON PLU=ON L46 OR L50
10 SEA ABB=ON PLU=ON L51 NOT (L40 OR L41)
1 SEA ABB=ON PLU=ON L52 AND (GE OR GERMANIUM)
L51
L52
L53
                        D MAX
L54
L55
        FILE 'CAPLUS' ENTERED AT 10:01:54 ON 22 AUG 2003
1 SEA ABB=ON PLU=ON JP1999-0037200/FRN,AP
         FILE 'WPIX' ENTERED AT 10:02:46 ON 22 AUG 2003
1 SEA ABB=ON PLU=ON JP1999-0037200/PRN,AP
L57
       FILE 'INPADOC' ENTERED AT 10:03:21 ON 22 AUG 2003
1 SEA ABB=ON PLU=ON JP1999-0037200/PRN,AP
L58
```

```
FILE 'DPCI' ENTERED AT 15:46:28 ON 21 AUG 2003
              1 SEA ABB=ON PLU=ON W02000079601/PN
L2
                D ALL
                SEL PLU=ON L2 1- PN.D :
1.3
              4 SEA ARREON PLUEON L3
T 4
                SEL PLUEON L4 1- PRN :
                                               5 TERMS
LS
                SEL PLUEON L4 1- PN.D :
                                               35 TERMS
L6
             66 SEA ABB=ON PLU=ON L6
                SEL PLU=ON L7 1- PRN :
                                              01 TEDMS
1.8
     FILE 'HCAPLUS' ENTERED AT 15:53:32 ON 21 AUG 2003
             3 SEA ABB=ON PLU=ON L5
59 SEA ABB=ON PLU=ON L8
1.0
1.10
                S 7440-21-3/REG#
     FILE 'REGISTRY' ENTERED AT 15:53:55 ON 21 AUG 2003
              1 SEA ABB=ON PLU=ON 7440-21-3/RN
     FILE 'HCAPLUS' ENTERED AT 15:53:55 ON 21 AUG 2003
        367095 SEA ABB=ON PLU=ON L11
2 SEA ABB=ON PLU=ON L9 AND L12
1.12
1.13
                 D ALL HITSTR
                 S 7440-56-4/REG#
     FILE 'REGISTRY' ENTERED AT 15:54:26 ON 21 AUG 2003
              1 SEA ABB=ON PLU=ON 7440-56-4/RN
1.14
     FILE 'HCAPLUS' ENTERED AT 15:54:26 ON 21 AUG 2003
          63153 SEA ABB=ON PLU=ON L14
1 SEA ABB=ON PLU=ON L15 AND L9
L15
1.16
                 D ALL HITSTR
              9 SEA ABB=ON PLU=ON L10 AND L15
8 SEA ABB=ON PLU=ON L17 NOT L16
1.18
                 D ALL HITSTR 1-8
     FILE 'STNGUIDE' ENTERED AT 15:56:20 ON 21 AUG 2003
     FILE 'HCAPLUS' ENTERED AT 15:57:56 ON 21 AUG 2003
           13399 SEA ABB=ON PLU=ON IGFET OR IG FET OR INSULAT####(A)GATE##
1.19
            144 SEA ABBEON PLUENN L15 AND L19
L20
           13942 SEA ABB=ON PLU=ON
                 INSULAT#### OR ELECTRODE OR GATE)
             120 SEA ABB=ON PLU=ON L19 AND L21
1.22
             203 SEA ABB=ON PLU=ON L20 OR L22
1.23
         104367 SEA ABB=ON PLU=ON
                                     (IMPURITY OR ION OR ATOM OR DOP####) (2A) (IN
L24
                 DIUM OR ALUMINUM OR ALUMINIUM OR BORON OR "B" OR "P")
          43080 SEA ABB=ON PLU=ON P TYPE
1.25
           55219 SEA ABB=ON PLU=ON 1017 OR 1018 OR 1019 OR 1020
L26
         178344 SEA ABB=ON PLU=ON 10(2W)17 OR 10(2W)18 OR 10(2W)19 OR
L27
                 10 (2W) 20
           10083 SEA ABB=ON PLU=ON ATOM#### (2A) CONCENTRATION
1.28
            4938 SEA ABB=ON PLU=ON ATOMIC(2A)CONCENTRATION
1.29
            2615 SEA ABB=ON
                             PLU=ON
                                     DOPED(W) (GE OR GERMANIUM)
1.30
            5275 SEA ABB=ON PLU=ON
                                      (GE OR GERMANIUM) (W) (LAYER OR FILM OR
L31
                 INSULAT#### OR ELECTRODE OR GATE)
            4922 SEA ABB-ON PLU-ON (GE OR GERMANIUM) (W) (LAYER OR FILM)
L32
     FILE 'REGISTRY' ENTERED AT 16:04:56 ON 21 AUG 2003
           19282 SEA ABB=ON PLU=ON O.SI/MF OR O SI/ELF
1.33
      FILE 'HCAPLUS' ENTERED AT 16:05:06 ON 21 AUG 2003
          429129 SEA ABB=ON PLU=ON L33
1.34
             947 SEA ABB=ON PLU=ON (GE OR GERMANIUM) (4A) ELECTRODE
1.35
             342 SEA ABB=ON PLU=ON
                                      (GE OR GERMANIUM) (4A) GATE
1.36
                                    (GE OR GERMANIUM) (4A) INSULAT#####
             680 SEA ABB=ON PLU=ON
           14210 SEA ABB=ON PLU=ON (GE OR GERMANIUM) (4A) (SIO OR SIO2 OR OXIDE
T. 28
                 OR DIOXIDE)
            1127 SEA ABB=ON PLU=ON L14(L) "P"
1.39
            3221 SEA ABB=ON PLU=ON L14(L)(INDIUM OR ALUMINUM OR ALUMINIUM OR
T.40
                 BORON OR "B" OR "P")
      FILE 'REGISTRY' ENTERED AT 16:08:07 ON 21 AUG 2003
               3 SEA ABB=ON PLU=ON (INDIUM OR ALUMINUM OR ALUMINIUM OR
L41
                 BORON) /CN
```

FILE 'HCAPLUS' ENTERED AT 16:08:19 ON 21 AUG 2003

```
413954 SEA ABB=ON PLU=ON L41
L42
          2702 SEA ABB=ON PLU=ON L42(L)(GE OR GERMANIUM)
T.43
           2865 SEA ABB=ON PLU=ON
                                    L42(L)("P")
T.44
                                   L23 AND (L24 OR L25 OR L26 OR L27 OR L28
            83 SEA ABB=ON PLU=ON
1.45
                OR L29 OR L30 OR L31 OR L32)
              1 SEA ABB=ON PLU=ON WO2000079601/PN
1.46
                SEL PLU=ON L46 1- IC :
L47
          10093 SEA ABB=ON PLU=ON L47
L48
            168 SEA ABB=ON PLU=ON (L21 OR L14) AND L48
L49
                                   L49 OR ((H01L021-335 OR H01L029-78 OR
L50
            300 SEA ABB=ON PLU=ON
                H01L029-786)/IC AND (L21 OR L14))
            89 SEA ABB=ON PLU=ON L50 AND (L24 OR L25 OR L26 OR L27 OR L28
                OR 1.29 OR 1.30 OR 1.31 OR 1.32)
            152 SEA ABB=ON PLU=ON L45 OR L51
1.52
            104 SEA ABB=ON PLU=ON
                                   L52 AND L12
L53
             23 SEA ABB=ON
                           PLU=ON L52 AND L34
L54
             83 SEA ABB=ON PLU=ON
                                   L52 AND L19
L55
             96 SEA ABB=ON PLU=ON (L54 OR L55)
L56
             30 SEA ABB=ON PLU=ON L52 AND L42
L57
            65 SEA ABB=ON PLU=ON L52 AND (L35 OR L36 OR L37 OR L38 OR L39
L58
                OP 1.40)
                           PLU=ON L52 AND (L43 OR L44)
              9 SEA ABB=ON
                           PLU=ON L52 AND (L26 OR L27 OR L28 OR L29)
             14 SEA ABB=ON
1.60
                                    L52 AND L30
              2 SEA ABB=ON
                            PLU=ON
1.61
                           PLU=ON
                                    L52 AND L24
             42 SEA ABB=ON
1.62
                           PLU=ON
                                    1.52 AND L25
             20 CEN ABB-ON
L63
                            PLU=ON
                                    L52 AND GATE ELECTRODE
L64
             48 SEA ABB=ON
             SO SEA ARREON
                            PLU=ON
                                    L52 AND L31
1.65
                           DIJI-ON
                                    L52 AND L32
L66
             73 SEA ARR=ON
                                    L52 AND L26
             11 SEA ABB=ON
                           DI.II-ON
1.67
                           PLUEON
                                    L52 AND L27
              2 SEA ABB=ON
1.68
              1 SEA ABB=ON
                           PLU=ON
                                    L52 AND L28
L69
              O SEA ABB=ON PLU=ON L52 AND L29
L70
                                    L52 AND CONCENTRATION
             23 SEA ABB=ON PLU=ON
L71
              4 SEA ABB=ON PLU=ON L52 AND DENSITY
1.72
                            PLU=ON
                                     1.52 AND L43
              8 SEA ABB=ON
L73
              1 SEA ABB=ON PLU=ON
                                     L52 AND L44
L74
                                     L52 AND (L26 OR L27)
                             PLU=ON
             13 SEA ABB=ON
1.75
                             PLU=ON L12 AND L15 AND L34 AND L42
            663 SEA ABB=ON
1.76
              7 SEA ABB=ON
                             PLU=ON
                                     L76 AND L19
1.77
                             PLU=ON L76 AND (H01L021-335 OR H01L029-78 OR
             10 SEA ABB=ON
1.78
                H01L029-786)/IC
             52 SEA ABB=ON PLU=ON L53 AND L55
1.79
                             PLU=ON
                                     L53 AND L56
             61 SEA ABB=ON
1.80
                            PLU=ON
             22 SEA ABB=ON
                                     L53 AND L57
 1.81
                                     L53 AND L58
             40 SEA ABB=ON
                             DIJI-ON
 102
             32 SEA ABB=ON PLU=ON
                                     L53 AND L62
 1.82
              20 SEA ABB=ON
                            PLU=ON
                                     L53 AND L63
 1.84
              32 SEA ABB=ON PLU=ON
                                     L53 AND L64
 1.85
              58 SEA ABB=ON
                            DIJI-ON
                                     1.53 AND 1.65
 1.86
             50 SEA ABB=ON PLU=ON
                                    L53 AND L66
 1.87
                            PLU=ON L53 AND L71
              18 SEA ABB=ON
 L88
             40 SEA ABB=ON PLU=ON (L79 OR L80 OR L81 OR L82 OR L83 OR L84 OR
 T.89
                 L85 OR L86 OR L87 OR L88) AND ("P" OR PMOS###### OR PTYPE)
              83 SEA ABB=ON PLU=ON LSS AND LS6
 1.90
                             PLU=ON L79 AND L80
              52 SEA ABB=ON
 1.91
              13 SEA ABB=ON PLU=ON L79 AND L81
 1.92
              28 SEA ABB=ON PLU=ON
                                    L91 AND L82
 L93
                             PLU=ON L91 AND L86
              26 SEA ABB=ON
 L94
                                    L91 AND L87
              21 SEA ABB=ON
                             DIJI-OM
 1.95
                                     L13 OR L18
                             DIJI-ON
              10 SEA ABB=ON
 1.96
                                     (L59 OR L60 OR L61) OR (L67 OR L68 OR L69)
              81 SEA ABB=CN
                             DIJI=ON
 L97
                 OR (L72 OR L73 OR L74 OR L75) OR (L77 OR L78) OR L89 OR L92
              80 SEA ABB=ON PLU=ON L97 NOT L96
 1.98
                                     L98 AND GATE ELECTRODE
              22 SEA ABB=ON
                             PLU=ON
 1.99
                             PLU=ON L98 AND INSULAT######
              51 SEA ABB=ON
 1.100
              29 SEA ABB=ON PLU=ON
                                     L100 AND (DOP##### OR IMPUR######)
 L101
              24 SEA ABB=ON PLU=ON L59 OR L61 OR (L68 OR L69) OR (L72 OR L73
 L102
                 OR L74) OR L77
              24 SEA ABB=ON PLU=ON L102 NOT L96
 L103
                 D ALL HITSTR TOT
               2 SEA ABB=ON PLU=ON L30 AND L52
 1.104
                 D ALL HITSTR 1-2
              56 SEA ABB=ON PLU=ON L98 NOT (L103 OR L104)
13 SEA ABB=ON PLU=ON L32 AND L105
 1.105
 L106
                 D ALL HITSTR TOT
              84 SEA ABB=ON PLU=ON "P" DOPED(W) (GE OR GERMANIUM)
 L107
```

L108	25920	SEA ABB=ON PLU=ON L19 OR (H01L021-335 OR H01L029-78 OR
		H01L029-786)/IC
L109	0	SEA ABB=ON PLU=ON L107 AND L108
L110	10791	SEA ABB=ON PLU=ON (INDIUM OR ALUMINUM OR ALUMINIUM OR BORON
		OR "B") (W) DOPED
Llll	151	SEA ABB=ON PLU=ON (INDIUM OR ALUMINUM OR ALUMINIUM OR BORON
		OR "B") (W) DOPED (W) (GE OR GERMANIUM)
L112		SEA ABB=ON PLU=ON L111 AND L108
L113	0	SEA ABB=ON PLU=ON (L107 OR L111) AND GATE ELECTRODE
L114	4	SEA ABB=ON PLU=ON (L107 OR L111) AND INSULAT#####
		D ALL HITSTR 1-4
L115		SEA ABB=ON PLU=ON L106 OR L114
L116	43	SEA ABB=ON PLU=ON L105 NOT (L103 OR L104 OR L115)
L117	12	SEA ABB=ON PLU=ON L116 AND GATE ELECTRODE
L118	601	SEA ABB=ON PLU=ON (GE OR GERMANIUM) (2W) (ABOVE OR ATOP OR TOP
		OR OVER OR OVERL######)
L119	1	SEA ABB=ON PLU=ON L118 AND L52
		D ALL HITSTR
L120	216	SEA ABB=ON PLU=ON L21 AND L14(L)ELECTRODE
L121	8	SEA ABB=ON PLU=ON L120 AND L19
		D ALL HITSTR 1-8
L122	167	SEA ABB=ON PLU=ON L118 AND (L21 OR (L35 OR L36 OR L37))
L123	21	SEA ABB=ON PLU=ON (L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR
		L30) AND L122
		L30) AND L122